

05/20
003

2

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/007,693

DATE: 12/17/2001
TIME: 10:06:41

Input Set : A:\515c2.app
Output Set: N:\CRF3\12172001\J007693.raw

3 <110> APPLICANT: Bhatia, Ajay
 4 Probst, Peter
 8 <120> TITLE OF INVENTION: COMPOUNDS AND METHODS FOR TREATMENT
 9 AND DIAGNOSIS OF CHLAMYDIAL INFECTION
 11 <130> FILE REFERENCE: 210121.515C2
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/007,693
 14 <141> CURRENT FILING DATE: 2001-12-05
 16 <160> NUMBER OF SEQ ID NOS: 157
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 19 <211> LENGTH: 1311
 20 <212> TYPE: DNA
 21 <213> ORGANISM: Chlamydia trachomatis
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 26 ctttaactag gagtcatcca tgagtcaaaa taagaactct gctttcatgc agcctgtgaa 180
 27 cgtatccgct gatttagctg ccatogttgg tgcaggaccc atgcctcgca cagagatcat 240
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 29 tatcaatccc gatgataaat tgctaaagt ttttgaact gaaaaaccta tcgatatgtt 360
 30 ccaaatgaca aaaatggtt ctcaacacat cattaaataa aatagaaatt gactcacgtg 420
 31 ttccctcgctt ttaagatgag gaactagttt attcttttgc ttgcgttgc tgggttattac 480
 32 tgtatcttta acaactatct tagcagcacc tgtttgaca tgggtttggg ccaatcactt 540
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 35 tgcctttcta aaaaaagttt ctcgttaagat ctcttcctt tctccagata ttcttgtatt 720
 36 tacaggagac ttgtctgtc gcgcctaaatg agaaactctt gaaagattaa aacatttcct 780
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 40 tgcagatact ctgaatccac aaattcctaa tccacaccta gtcagttat tacgaataac 1020
 41 tccatttcaa ttattgcata atcaaagcgc gacactttcc gatacaatca acatcggtgg 1080
 42 attaggcgat ttttttgcca aacaattcga tccccaaaaaa gcttttactg actataatcc 1140
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 44 cccaggtgat gttgtttttt ccgggcactc gcatggccct caaatctctc ttccctggcc 1260
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 55 cccaaaccaag ctctctgcgg tgctgaaaaa acctaaattc aaaagaatgaa ctcggccctc 180
 56 atcttcagaa agacgatccg acttccataa ttgcgttct ttcccccattt ggatctctgt 240
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ENTERED

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 61 ctttcttcgc tctttcaaca ataattcctg ccgaagcaga cttattcttc atccaacgg 540
 62 gctgaattcc tctcttatta atatctacaa aagattttc aacggtcgtt gctgtatgg 600
 63 atctcagata atacgttagtt ttcaaaccctt ttttccaagc cgtaaatac atattcgaca 660
 64 gtttttccc gtctggctgg gcaagataaa ggttgaggga ttgccccata tcaatccatt 720
 65 ttgtcttcg agacgcgc cat tcgataatcc attctggttc aatctcaaaa gctgtcaaga 780
 66 aaatatgttt taagtgtatct ggtatacgcg ctgattccaa taaagaccctt tcaaaatatt 840
 67 tcaggtcatc taacatatac gcatcccgaa tacctaattt cttcaacttc tcaattaaat 900
 68 acacatttgg aatcgtaat tctccggaca aatttagactt cacaacaaa tgggttgcg 960
 69 ttggctcaat agattgagtt actcctataa tggatggat cgctcgctgc ggagctata 1020
 70 ccataagctg acaatgtcgc ataccatgct tttaaccaa actacggata ggttcccaat 1080
 71 cttttcttga tgacgtatcc atctggagat ttgctctcc tcgatagttc gctaacaact 1140
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 74 aactgttagtc agcaaattct acagcttctt gcgaaagcata gtttatatot agcttataca 1320
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 88 tcgagaagag gataagttttag atggcaaat ccctgaagtc ttgtatctcag gcaatgcagg 180
 89 ggtgttggtt tttccggaa attcctcgaa gcgtgtatggat catttccctc atacagggtgg 240
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 93 cgatgccatc tattttcgat gtaaagaatc gcatattaca gccctgaatg ctacggaaagg 480
 94 acatgctatt gtttccacg acgcattatgtt ttgtggaaat cttagaagaaa ggaatctgc 540
 95 tgaagtattt ttaatcaata gtcgagaaaa tccagttca aaatttctca agttgtatgc 600
 96 aattgtgcta ttgcgtaccc ttgttttctt atgtccacgg taaagggatc gggaaagatac 660
 97 gcattttttt tcatagtttctt tagcttcgtt ccctagtgct tccgcgtatgaa ctcgtctgcc 720
 98 aagacttttgg ttacgaaaa caacaggctc tcgttgagaa atgatttggaa gtatgtctag 780
 99 cgtgagggtgt ttttctgtt tctcgtgggt tgaaagattt actagaggag agacttcaat 840
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 101 tagtaataga cgaatattgc ccaatgtctt ggaagcattt ttccctgtattt catctcgaaa 960
 102 ctttgcgcag gattccaattt cttcgattac tgtaaaaggg ataatgtatgc gagttttaga 1020
 103 aaaagaggaa agggccttag gatcgtaat caaaacgcgtg gtatcaataa cagagggtttt 1080
 104 ttccattaca aattccctaaa tgactcaagt gtaagggggaa gatagtactt tgattgtgt 1140
 105 tcatatccag aaaaattttttaa acatgtctt ttgttagagaga agtcgggaga gagggttttt 1200
 106 agcaatcaac ctccgcgtgt gctaattctgt ttgtcaaaaa tggatccctt aactacaatg 1260
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 109 tgatggaggg acggaagggg gtattactt gaaactccat ttaattgtatg gagagacagt 1440
 110 ctctataaccc aatcttaaggac aacgcqattgt tgatqaggtq ttccaaqaaqc acttqctata 1500

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113 ttcttatgtta cttaggaggag ctggttcgat taatatgttg ttgcaacatt ctccagaaca 1680
114 taaggatcat cctgatcttc ctaccgattt actggagagg atagcgc当地 tgatgc当地 1740
115 attatctata ggaccaactt ctatcttgc taagccagag cctcatttgc当地 actgtttgc当地 1800
116 ttgtcaaatt ggacgagcta cagtggaaga agaggatgcc ggagtatc当地 atgaggatct 1860
117 cactttcgt tcatggata tctctcaaaag tggagaaaag atgtacactg ttacagatcc 1920
118 tttgaatcca gaagtatacc ttttgc当地 ttttacgc当地 ccagcactcc aatttctgac 1980
119 tgtgagaata tatcataat agaccggct ctagcgc当地 gaatagaaaa agtctttgc当地 2040
120 atagcactat caagccttcc ctttatacgc tcaagcaata gaaacggaga tctacgcaat 2100
121 ggattttcat tgtaactcatt aaacgagcgg aaaatgaaat tactcaaatt ttcttc当地 2160
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123 tcggcacag gtctotaatc ttgc当地 gagggaaaatt tttgctgtcc aagggttaaa 2280
124 tactgctgga gaaataggat actgc当地 ctttgc当地 gatgc当地 atgc当地 2340
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130 <213> ORGANISM: Chlamydia trachomatis
132 <400> SEQUENCE: 4
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135 ttagctgc当地 agtagctggg cacagagggg ttccc当地 gctttaacag atttgtctgg 180
136 acttaacttt tagtgc当地 catgc当地 agaatatttc tggtgc当地 gtttttctt 240
137 aatggaatca aggtgatagt atttgc当地 tggacaagtg tatagagagt atccagtg 300
138 tctgttattgg atagactctg ttttgc当地 gctgaaagc atctgtc当地 ttctgttta 360
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143 caagtcttat ataatggcta cgatctt当地 gtacctctt当地 tataacttag gagtgccca 660
144 atactccccca gaagagtgtt ttgc当地 cggggg aatcacctt atgtt当地 taaagggtcg 720
145 ttccgtt当地 actgtgaaa cgggggattaa agaagaagaa gtctatatgg gaaccatccc 780
146 catcatgact cataaggaa ctttattat taatggggca gagagagtc ttgttctca 840
147 agtccaccgt tctccaggaa tcaatttga acaagaaaaa cattctaaag ggaatgtttt 900
148 atttctttt agaattattt cttatgc当地 aagtggta gaagctgtct tc当地 acattaa 960
149 tgacctt当地 tataatccata ttgatagggaa aaaacgtgc当地 agaaagattt tagtattga 1020
150 cgtt当地 atccg agctt当地 tagtcaacag atgc当地 agat tattgaagag ttctttctg 1080
151 tagaggagcg ttcc 1094
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154 <211> LENGTH: 2129
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156 <213> ORGANISM: Chlamydia trachomatis
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161 agggccatca tgtagcaaa aaaacaggat caaaaaaacc tatttctcaat gccc当地 ctcc 180
162 ttaaatctt当地 attacaaaaa taaaatcaat ttcaactttt caaaaaaaga atttaaacat 240
163 taattgtt当地 aaaaacaata tttattataa aataataacc atagttgc当地 ggaaatctt当地 300

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/007,693

DATE: 12/17/2001
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Input Set : A:\515c2.app
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166 ataaccctcg cagctctatc tctgctcgct gtatgcgcgt gcgttattgc cgtctctgcg 480
167 ggaggagctg ccattccctt tgctgtcatt ggttggaaattt ctgcaatgtc tggctctta 540
168 tccgctgcca ccattatctg ttctgcaaaa aaggctctgg ctcaacgaaa acaaaaacaa 600
169 ctagaagagt tgcttccgtt agataatgcg accgagcatg tgaattacact gacccatgac 660
170 acctcttatt ttaatcaatg gaaatccta gatgtctaa ataaggatgtt gtctcagatt 720
171 gacttaacta ttcaagctcc cggaaaaaaa ctataaaag aagttcttgg ttccagatac 780
172 gattccattt atcactccat cgaagagatc tccgatcgct ttacgaaaat gctctcttt 840
173 cttcgattaa gagaacattt ttgtcgagga gaagagcggtt atgccccctt tttaaaggccc 900
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184 aacgacgaaa atgctaaaac taaagaatcg cagcttctatc actcagaaaa tgattcaaat 1560
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191 caagaaacac accggcttctt gaacatcctc tctgaatttac aacaacttgc acaatacctg 1980
192 ttagataatc actaacgggtt cttcataat gacaaaaaga aaaaggagatc ctgttgcgtt 2040
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196 <211> LENGTH: 1828
197 <212> TYPE: DNA
198 <213> ORGANISM: Chlamydia trachomatis
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202 ataaaggcat cccaaagggatcc ccctggaaatc acttcatattt ctccctgtgc tagcattcga 180
203 caagggaaac caaagattaa atcttccgtt aatccatagg gattgtggtc cgaacacact 240
204 ccggaaagaaa accattctcc ttctttggc tgatatatgg atcgagcgc ctctgctaa 300
205 gctcgtgtc cagaagctgc cgaagacttc cctcggtt cgttactgc actaccacga 360
206 ctctgtacag aaggcaccat atatttctt aaccaatcac gatccgttat cgtctctgcg 420
207 ataggacgggtt cattaatcgat agcttgcgtt aaatcaggca ctgtttggc ggagtgtt 480
208 ccccaaaacca caacttgttacatccgtt aaaggtactt ctgctctatg cgataacatg 540
209 ctatgcataatc gatttggcgtt caatcgatgc atcgatgtt aagttcttctt caataatctg 600
210 ggagcatgtat tcattgttat ccagcaatggtatttgcacatggtcccaac aacaaaaatc 660
211 tttgcatttcc gcttgcgtt tttgtttttttt gctttccctt gctgttgcgtt aatctccca 720
212 ttttcttta gaagatccct tctctccatt cctggccctc taggaacttgc ccctataagg 780

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217 ccaggaatat cgtagatacg cagatcgatg ccacaatcaa ggccaaaaaac atctccatga 960
218 gccagagaaa atagaaaagct ataggctatt tgccctgttc ctctgttac tgctacactc 1020
219 actgttttag aaaccataag ccaccctctc tttactttt caaaacgcac atactctcaa 1080
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221 agtacctaga ttcccttagta aaagcttttgc gcaaaaaaaa gctcatctat ttttcaatag 1200
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234 <210> SEQ ID NO: 7

235 <211> LENGTH: 861

236 <212> TYPE: DNA

237 <213> ORGANISM: Chlamydia trachomatis

239 <400> SEQUENCE: 7

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242 ccacagttac agaaatcgat gagaagctt ttccctaaga aagatgtatgc gtttcatcg 180
243 tcttagttcg tattctactc tccaaatgggtt ccgcattttt gggcagagct tcgcaatcat 240
244 tatgcaacga gtgggttgc aagcgggtac aatattggga gtaccgtatgg gtttctccct 300
245 gtcattgggc ctgttatatg ggagtccggag ggtctttcc ggcgttatat ttcttcgggt 360
246 actgatgggg atggtaagag ccataaaagta ggatttctaa gaattcctac atatagttgg 420
247 caggacatgg aagattttga tccttcagga ccgcctcctt gggagaatt tgctaagatt 480
248 attcaagtat ttctctctaa tacagaagct ttgattatcg accaaacgaa caacccaggt 540
249 ggttagtgc tttatcttta tgcactgc tccatgttga cagaccgtcc tttagaactt 600
250 cctaaacata gaatgattct gactcaggat gaagtgggtt atgctttaga ttgggtttaacc 660
251 ctgttgaaa acgttagacac aaacgtggag tctgccttgc ctctgggaga caacatggaa 720
252 ggtatatactg tggatctaca gtttgcggag tattaaaaaa gctttggacg tcaagtattg 780
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254 aagattcattt cacatccctcg a 861

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256 <210> SEQ ID NO: 8

257 <211> LENGTH: 763

258 <212> TYPE: DNA

259 <213> ORGANISM: Chlamydia trachomatis

261 <400> SEQUENCE: 8

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264 atcaaaagccg gaggcctggg agacgcgtt tacggacttag caaaagctt agccgctaat 180
265 cacacaacgg aagtggtaat ccctttatac cctaaattat ttactttgcc caaagaacaa 240
266 gatctttgcg cgtatccaaaa attatcttatttttgc gagagcaaga agcaactgct 300
267 ttctccctact ttatgaagg aattaaagta actctattca aactcgacac acagccagag 360

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Use of n and/or Xaa has been detected in the Sequence Listing.

→ Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/007,693

DATE: 12/17/2001

TIME: 10:06:43

Input Set : A:\515c2.app

Output Set: N:\CRF3\12172001\J007693.raw

L:13 M:270 C: Current Application Number differs, Wrong Format

L:5632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134